

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2005/003979

A. CLASSIFICATION OF SUBJECT MATTER  
Int.Cl.<sup>7</sup> H01S5/024, H01L23/473

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
Int.Cl.<sup>7</sup> H01S5/024, H01L23/473

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
Jitsuyo Shinan Koho 1922-1996 Jitsuyo Shinan Toroku Koho 1996-2005  
Kokai Jitsuyo Shinan Koho 1971-2005 Toroku Jitsuyo Shinan Koho 1994-2005

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages  | Relevant to claim No. |
|-----------|---|-----------------------|
| A         | JP 57-141986 A (Fujitsu Ltd.),<br>02 September, 1982 (02.09.82),<br>Full text; all drawings<br>(Family: none)   | 1-6                   |
| A         | JP 9-194204 A (Matsushita Electric Industrial Co., Ltd.),<br>29 July, 1997 (29.07.97),<br>Par. Nos. [0032] to [0035]; Fig. 11<br>(Family: none)                       | 1-6                   |
| A         | JP 2003-8273 A (Fanuc Ltd.),<br>10 January, 2003 (10.01.03),<br>Par. Nos. [0002] to [0027], [0122] to [0143];<br>Figs. 1 to 7<br>& US 2002/0195238 A1 & EP 1271723 A2 | 1-6                   |



Further documents are listed in the continuation of Box C.



See patent family annex.

\* Special categories of cited documents:

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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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"&" document member of the same patent family

Date of the actual completion of the international search  
31 May, 2005 (31.05.05);

Date of mailing of the international search report  
14 June, 2005 (14.06.05)

Name and mailing address of the ISA/  
Japanese Patent Office

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PCT/JP2005/003979

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No. |
|-----------|--|-----------------------|
| A         | JP 10-209531 A (Fujitsu Ltd.),<br>07 August, 1998 (07.08.98),<br>Par. Nos. [0001] to [0007], [0027] to [0039];<br>Figs. 1 to 2, 37 to 39<br>& US 6097744 A & DE 19750879 A | 1-6                   |
| A         | WO 00/11717 A (Hamamatsu Photonics Kabushiki<br>Kaisha),<br>02 March, 2000 (02.03.00),<br>Full text; all drawings<br>& EP 1113496 A & US 2001/0004312 A1                   | 1-6                   |